

## 8412 Non-Paired - Two-Conductor, Low-Impedance Cable

 	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### Description:

20 AWG stranded (26x34) high-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, EPDM jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Conductors	2
Total Number of Conductors	2
AWG	20
Stranding	26x34
Conductor Diameter	.037 in.
Conductor Material	High Conductivity TC - Tinned Copper

#### INSULATION:

Insulation Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Nom. Insulation Wall Thickness	.023 in.
Insulation Diameter	.083 in.

#### OVERALL CABLING:

Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	White	2	Black

Overall Cabling Separator Material                      Rayon Braid

#### OUTER SHIELD:

Outer Shield Type    Braid

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1		Braid	Cotton	
2		Braid	TC - Tinned Copper	85

Outer Shield % Coverage                                      85 %

#### OUTER SHIELD SEPARATOR :

Outer Shield Separator Material                      Cotton Wrap

#### OUTER JACKET:

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Outer Jacket Material	EPDM - Ethylene Propylene Diene Monomer Rubber
Outer Jacket Nominal Wall Thickness	.035 in.

### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.262 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-50°C To +90°C
Non-UL Temperature Rating	90°C
Bulk Cable Weight	42.8 lbs/1000 ft.
Max. Recommended Pulling Tension	100 lbs.
Min. Bend Radius (Install)	2.75 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	52 Ohms
Nom. Inductance	.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	30 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	55 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	10.2 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	3.06 Ohms/1000 ft
Max. Operating Voltage - Non-UL	600 V RMS
Max. Recommended Current	4 Amps per conductor @ 25°C

### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8412 0021000	2 #20 EPDM BRD EPDM	1000	47	RED	C
8412 0041000	2 #20 EPDM BRD EPDM	1000	47	YELLOW	C
8412 0061000	2 #20 EPDM BRD EPDM	1000	47	BLUE, LIGHT	C
8412 010100	2 #20 EPDM BRD EPDM	100	5.2	BLACK	
8412 0101000	2 #20 EPDM BRD EPDM	1000	47	BLACK	C
8412 010250	2 #20 EPDM BRD EPDM	250	12	BLACK	

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8412 010500	2 #20 EPDM BRD EPDM	500	22	BLACK	C
8412 010U1000	2 #20 EPDM SHLD EPDM	U1000	46	BLACK	
8412 010U500	2 #20 EPDM SHLD EPDM	U500	23.5	BLACK	

C = CRATE REEL PUT-UP.

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